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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 4

Complete if Known	
Application Number	~~10/664,421~~ 10/789,818
Filing Date	09/16/2003
First Named Inventor	Ryan Bremer
Group Art Unit	1656
Examiner Name	Nashed
Attorney Docket Number	039363-0703

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	U.S. Patent Document Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
NN	A1	20010008765		Shinoki et al.	07/19/2001	
	A2	20010012537		Anderson et al.	08/09/2001	
	A3	20010014448		Chappa et al.	08/16/2001	
	A4	20010014449		Nerenberg et al.	08/16/2001	
	A5	20010016322		Caren et al.	08/23/2001	
	A6	20010018642		Balaban et al.	08/30/2001	
	A7	20010019827		Dawson et al.	09/06/2001	
	A8	6100254		Budde et al.	08/08/2000	
NN	A9	6197495		Qui et al.	03/06/2001	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

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NN	A10	WO	99/26966		The Regents of the University of California	06-03-1999		
NN	A11	WO	01/58951		Stichting Voor de Technische Wetenschappen	08-16-2001		
NN	A12	WO	02/24722		Prochon Biotech Ltd.	03-28-2002		

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Filing Date	09/16/2003
First Named Inventor	Ryan Bremer
Group Art Unit	1656
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NN	A13	BOEHM, *et al.*, "Novel Inhibitors of DNA Gyrase: 3D Structure Based Biased Needle Screening, Hit Validation by Biophysical Methods, and 3D Guided Optimization. A Promising Alternative to Random Screening," *J. Med. Chem.* 43:2664-2674 (2000)	
	A14	BOHACEK, *et al.*, "Multiple Highly Diverse Structures Complementary to Enzyme Binding Sites: Results of Extensive Application of a *de Novo* Design Method Incorporating Combinatorial Growth," *J. Am. Chem. Soc.* 116:5560-5571 (1994)	
	A15	CHONG, *et al.*, "Molecular dynamics and free-energy calculations applied to affinity maturation in antibody 48G7," *PNAS* 96:14330-14335 (1999)	
	A16	CORNELL, *et al.*, "A Second Generation Force Field for the Simulation of Proteins, Nucleic Acids, and Organic Molecules," *J. Am. Chem. Soc.* 117:5179-5197 (1995)	
	A17	DONINI and KOLLMAN, "Calculation and Prediction of Binding Free Energies for the Matrix Metalloproteinases," *J. Med. Chem.* 43:4180-4188 (2000)	
	A18	DOWNS and WILLETT, "Similarity Searching and Clustering of Chemical-Structure Databases Using Molecular Property Data," *J. Chem. Inf. Comput. Sci.* 34:1094-1102 (1994)	
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	A21	GILLILAND and LADNER, Crystallization of biological macromolecules for X-ray diffraction studies. Current Opinion in Structural Biology, 6:595-603, 1996.	
	A22	JARVIS and PATRICK, "Clustering Using a Similarity Measure Based on Shared Near Neighbors," *IEEE Transactions on Computers* 11:1025-1034 (1973)	
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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	~~10/664,421~~ 10/789,818 NFE
				Filing Date	09/16/2003
				First Named Inventor	Ryan Bremer
				Group Art Unit	1656
(use as many sheets as necessary)				Examiner Name	Nashed
Sheet	3	of	4	Attorney Docket Number	039363-0703

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Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[6]
NN	A25	MCGOVERN, *et al.*, "A Common Mechanism Underlying Promiscuous Inhibitors from Virtual and High-Throughput Screening," *J. Med. Chem.* 45:1712-1722 (2002)	
	~~A26~~	~~OBRECHT, *et al.*, "Solid-Supported Combinatorial and Parallel Synthesis of Small-Molecular-Weight Compound Libraries," *Linker Mol. & Oligav. Strat.* P. 85.~~ Incomplete citation.	
NN	A27	OWEN, *et al.*, "Two Structures of the catalytic domain of phosphorylase kinase: an active protein kinase complexed with substrate analogue and product," *Curr. Biol. Ltd.* 3:467-482 (1995)	
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NN	A31	WILLETT, "Chemical Similarity Searching," *J. Chem. Inf. Comput. Sci.* 38:983-996 (1998)	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	~~10/664,421~~ 10/789,818
				Filing Date	09/16/2003
				First Named Inventor	Ryan Bremer
				Group Art Unit	1656
(use as many sheets as necessary)				Examiner Name	Nashed
Sheet	4	of	4	Attorney Docket Number	039363-0703

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[6]
NN	A32	YANG et al., Peptide analogs from E-cadherin with different calcium-binding affinities. J. Peptide Research, 55:203-215, 2000.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known	
Application Number	10/789,818
Filing Date	02/27/2004
First Named Inventor	Prabha Ibrahim
Art Unit	1656
Examiner Name	Nashed, Nashaat T.
Attorney Docket Number	039363-1202

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
~~NN~~	~~A1~~	~~US-5837524~~	~~11.17.1998~~	~~Schlessinger et al~~	
NN	A2	US-5942428	08.24.1999	Mohammadi et al.	
~~NN~~	~~A3~~	~~US-6100254~~	~~08.08.2000~~	~~Budde et al.~~	
~~NN~~	~~A4~~	~~US-6197493~~	~~03.06.2001~~	~~Qiu et al.~~	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

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NN	A5	Cohen et al., Molecular modeling software and methods for medicinal chemistry. Journal of Medicinal Chemistry, 33(3): 883-894, 1990.	
	A6	Gilliland and Ladner, Crystallization of biological macromolecules for X-ray diffraction studies. Current Opinion in Structural Biology, 6:595-603, 1996.	
	A7	Ke and Doudna, Crystallization of RNA and RNA-protein complexes. Methods, 34:408-414, 2004.	
	A8	Wiencek et al, New strategies for protein crystal growth. Annual Review of Biomedical Engineering, 01:505-534, 1999.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	10/789,818
				Filing Date	02/27/2004
				First Named Inventor	Prabha Ibrahim
				Art Unit	1656
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NN	A9	International Search Report for PCT Application PCT/US2004/005904	

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NN	A1	5698401		Fesik et al.	12-16-1997	
NN	A2	5804390		Fesik et al.	09-08-1998	
	~~A3~~	~~6197495~~		~~Qui et al.~~	~~03-06-2001~~	
	A4	6297021		Nienaber et al.	10-02-2001	
NN	A5	6465484		Bilodeau et al.	10-15-2002	
	A6	20020048782		Lev et al.	04-25-2002	
	~~A7~~	~~20010008765~~		Shinoki, Hiroshi et al.	07/19/2001	
	A8	20010012597		Anderson, Norman G. et al.	08/09/2001	
	A9	20010014448		Chappa, Ralph A. et al.	08/16/2001	
	A10	20010014449		Nereriberg, Michael et al.	08/16/2001	
	A11	20010016322		Caren, Michael P. et al.	08/23/2001	
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NN	A14	EP	0,154,734		Immunex Corporation	08-29-1990		
NN	A15	WO	96/18738		Sugen, Inc.	06-20-1996		
NN	A16	WO	97/46313		Array Technologies	12-11-1997		
NN	A17	WO	98/35056		Merck & Co., Inc.	08-13-1998		
NN	A18	WO	99/63931		The Salk Institute for Biological Studies	12-16-1999		
NN	A19	WO	99/09217		Hyseq, Inc.	02-25-1999		

Crossed over refrences are duplicate, See other IDS's

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~~A20~~	~~WO~~	~~99/20966~~			~~The Regents of the University of California~~	~~06-03-1999~~		
NN	A21	WO	99/51773		Phylos, Inc.	10-14-1999		
NN	A22	WO	01/58951		Stichting Voor de Technische Wetenschappen	08-16-2001		
~~A23~~	~~WO~~	~~02/24722~~			~~Prochon Biotech Ltd.~~	~~03-28-2002~~		

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NN	A24	Ashani and Wilson, A covalent affinity column for the purification of acetylcholinesterase. Biochem. Biophys. Acta, 276:317-322, 1972.	
	~~A25~~	~~BOEHM, *et al.*, "Novel Inhibitors of DNA Gyrase: 3D Structure Based Biased Needle Screening, Hit Validation by Biophysical Methods, and 3D Guided Optimization. A Promising Alternative to Random Screening," *J. Med. Chem.* 43:2664-2674 (2000)~~	
	A26	BOHACEK, *et al.*, "Multiple Highly Diverse Structures Complementary to Enzyme Binding Sites: Results of Extensive Application of a *de Novo* Design Method Incorporating Combinatorial Growth," *J. Am. Chem. Soc.* 116:5560-5571 (1994)	
	A27	CHONG, *et al.*, "Molecular dynamics and free-energy calculations applied to affinity maturation in antibody 48G7," *PNAS* 96:14330-14335 (1999)	
NN	A28	COE and STORER, "Solution-phase combinatorial chemistry." Molecular Diversity, 4:1-38, 1999.	
	~~A29~~	~~CORNELL, *et al.*, "A Second Generation Force Field for the Simulation of Proteins, Nucleic Acids, and Organic Molecules," *J. Am. Chem. Soc.* 117:5179-5197 (1995)~~	
	A30	DONINI and KOLLMAN, "Calculation and Prediction of Binding Free Energies for the Matrix Metalloproteinases," *J. Med. Chem.* 43:4180-4188 (2000)	

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				Filing Date	02/27/2004
				First Named Inventor	Prabha Ibrahim
				Group Art Unit	1646
(use as many sheets as necessary)				Examiner Name	
Sheet	3	of	6	Attorney Docket Number	039363-1202

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Examiner Signature	/Nashaat Nashed/ (01/30/2007)	Date Considered	

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	~~A43~~	~~MCGOVERN, *et al.*, "A Common Mechanism Underlying Promiscuous Inhibitors from Virtual and High Throughput Screening," *J. Med. Chem.* 45:1712-1722 (2002)~~	
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NN	A50	ROSENBERRY et al., Purification of acetylcholinesterase by affinity chromatography and determination of active site stoichiometry. The Journal of Biological Chemistry, 247 (5): 1555-15565, 1972.	
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	~~A52~~	~~WILLETT, P., "Chemical Similarity Searching," J. Chem. Inf. Comput. Sci. 38:983-996 (1998)~~	
NN	A53	WUTHRICH, NMR-This other method for protein and nucleic acid structure determination. Acta Cryst., D51: 249-270, 1995.	
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NN	A57	BOGER et al., Synthesis of a functionalized rigid bicycle[2,2,1]heptane: a useful hapten for eliciting catalytic antibodies. Journal of Organic Chemistry, 59:5078-5079, 1994.	
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